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**‘Phoenix Polymers’: fire induced nanohardness in fibril-forming aromatic cyanate esters**

**Lyndsey Mooring, Scott Thompson, Stephen A Hall, Silvia Pani, Peter Zioupos, Martin Swan, Corinne Stone, Brendan J. Howlin, and Ian Hamerton\***

**Supplementary Data**

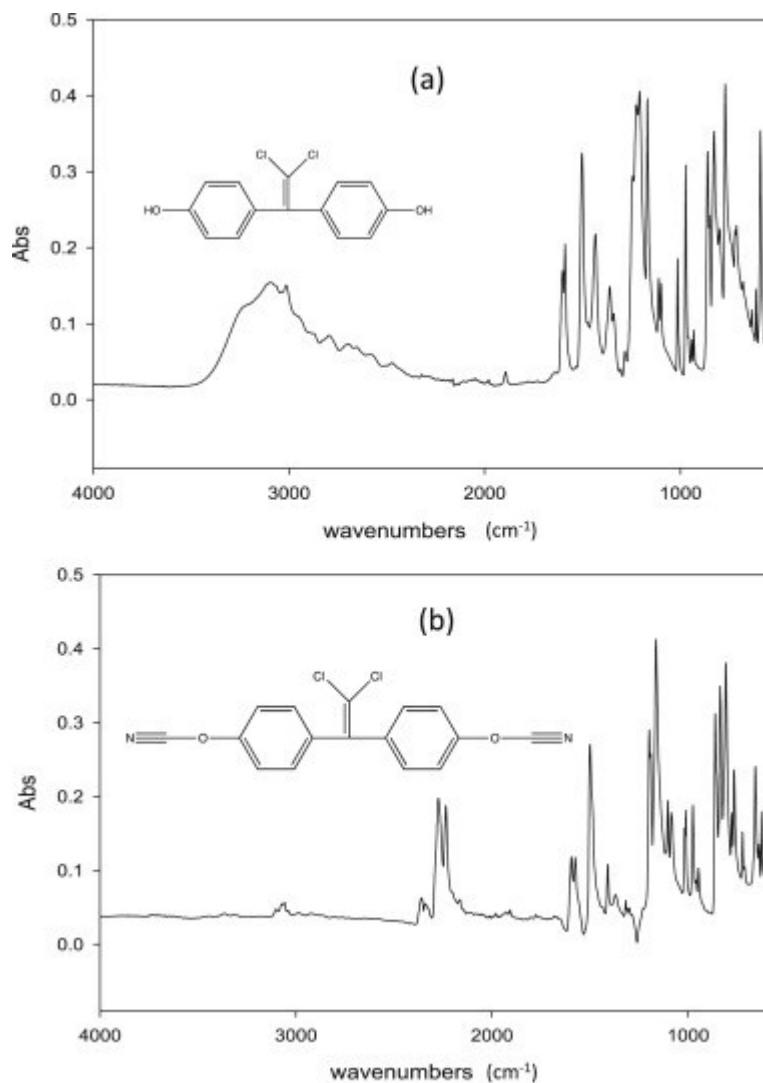


Figure S1. ATR spectra of (a) 1,1-dichloro-2,2-(4-hydroxyphenyl)ethyldiene and (b) 1,1-dichloro-2,2-(4-cyanatophenyl)ethyldiene (**2**).

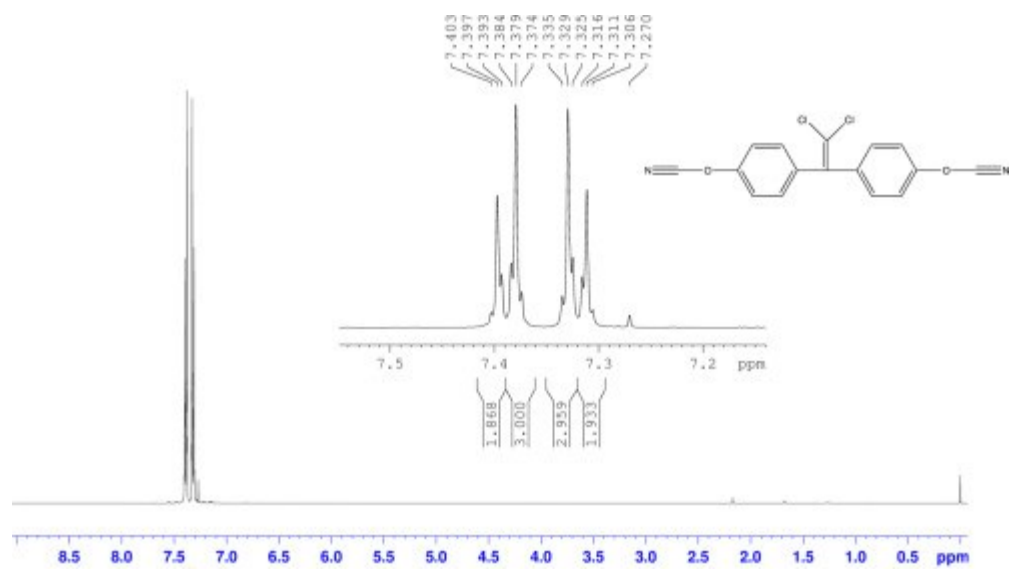


Figure S2.  $^{13}\text{C}$  NMR spectrum of 1,1-dichloro-2,2-(4-cyanatophenyl)ethyldiene (2).

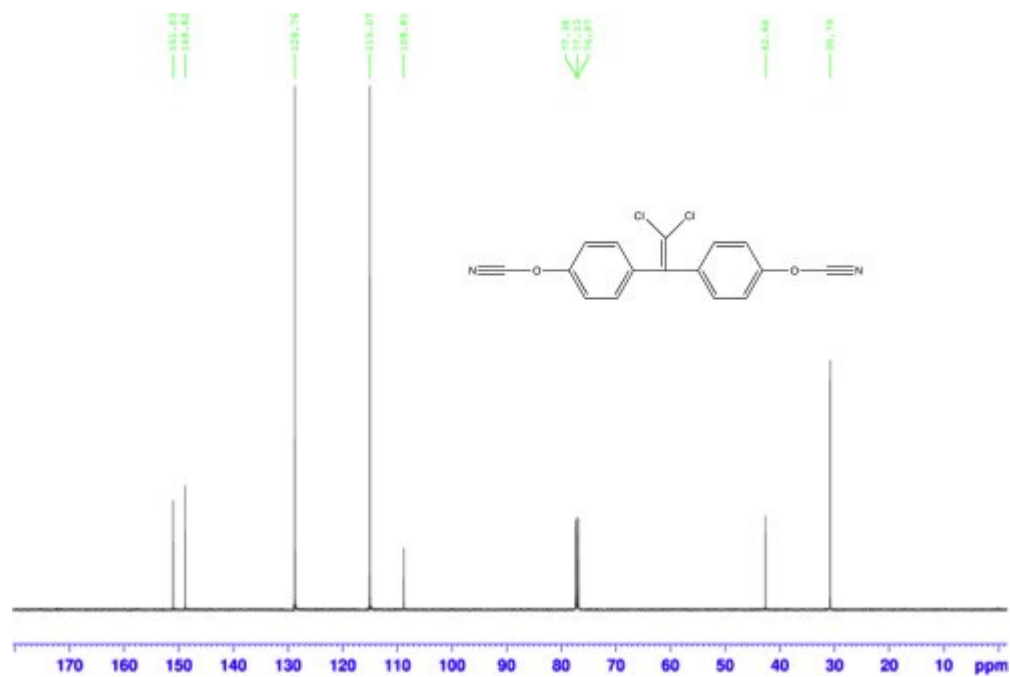


Figure S3.  $^1\text{H}$  NMR spectrum of 1,1-dichloro-2,2-(4-cyanatophenyl)ethyldiene (2).